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UNITED STATES DEPARTMENT OF AGRICULTURE
RURAL ELECTRIFICATION ADMINISTRATION
WASHINGTON 25, D. C.

July 2, 1951

TELEPHONE ENGINEERING MEMORANDUM 502

SUBJECT: REA Maps for Telephone Borrowers

Attached are Standards for Mapping for REA Telephone Borrowers to be used in the compilation and drafting of maps for new systems, new sections of existing systems, and remapping of systems or sections thereof.

The purposes of system maps are (1) to provide a means of supplying REA with data in connection with the making of a loan, construction and final inventory of a project, (2) to assist the borrower in establishing and maintaining proper plant records and (3) to facilitate the operation of the telephone properties of the borrower. In order to encourage the preparation and use of uniform system maps these Standards are being furnished as a guide.

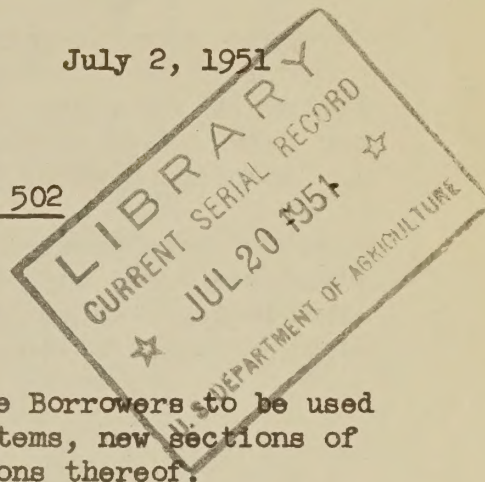
It is recommended that the system maps be prepared in accordance with the attached Standards which provide for two methods of mapping, designated as follows:

(a) Grid Method.

This method of mapping is based on a system of coordination and indexing which is fixed with respect to state boundaries and with respect to terrestrial meridians of longitude and parallels of latitude.

(b) Township Method.

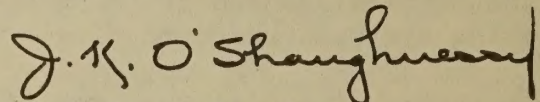
This method of mapping uses a system of coordination and indexing based on range and township lines. This method is applicable only where range, township and section lines have been established (determined by government survey) and are in current use.



It is recognized that some borrowers may have existing maps which do not conform in all respects to these Standards. Where such maps have proven satisfactory the borrower with the approval of the Administrator may continue their use.

Otherwise maps prepared for use on REA-financed telephone systems shall conform to the Standards for Mapping for REA Telephone Borrowers. The Engineering Division of REA should be consulted before preparing Key Maps and Detail Maps so that the maps being prepared may be coordinated under the standard mapping plan.

A set of maps showing the complete area of a system, regardless of the standards used, may be prepared or brought up to date by an appropriate engineering service contract, the form for which will be supplied by the Engineering Division of REA.



J. K. O'Shaughnessy
Chief, Engineering Division

Attachment:

Standards for Mapping for REA Telephone Borrowers